

# INFORMATION DISCLOSURE STATEMENT

## BY APPLICANT

Docket: 4830-44937

Ser: 08/637,537

Applicant: Geoffrey B. Rhoads

Filed: April 25, 1996

Group: 2202

### U.S. PATENT DOCUMENTS

Init.*	Number	Date	Name	Class	Sub	Filed
SC	4,262,329	4/14/81	Bright et al.	/	/	
SC	5,091,966	2/25/92	Bloomberg et al.	/	/	
SC	5,128,525	7/7/92	Stearns et al.	/	/	
SC	5,168,146	12/1/92	Bloomberg	/	/	
SC	5,245,165	9/14/93	Zhang	/	/	
SC	5,349,655	9/20/94	Mann	/	/	
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CH	5,544,255	8/6/96	Smithies et al.	/	/	
SH	5,548,646	8/20/96	Aziz et al.	/	/	
SH	5,582,103	12/10/96	Tanaka et al.	/	/	
SH	5,590,197	12/31/96	Chen et al.	/	/	
SH	5,602,920	2/11/97	Bestler et al.	/	/	
SC	5,611,575	3/18/97	Petrie	/	/	
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SH	5,629,770	5/13/97	Brassil	/	/	
SH	5,629,980	5/13/97	Stefik et al.	/	/	
SH	5,638,443	6/10/97	Stefik et al.	/	/	
SH	5,638,446	6/10/97	Rubin	/	/	
SC	5,646,997	7/8/97	Barton	/	/	

EXAMINER:

S. Campiello

DATE:

2/98

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# INFORMATION DISCLOSURE STATEMENT

## BY APPLICANT

Docket: 4830-44937

Ser: 08/637,531

Applicant: Geoffrey B. Rhoads

Filed: April 25, 1996

Group: 2202 3642

### U.S. PATENT DOCUMENTS

Init.*		Number	Date	Name	Class	Sub	Filed
SC		5,659,726	8/19/97	Sandford, II et al.	/	/	
SC		5,661,574	8/26/97	Kawana	/	/	
SC		5,664,018	9/2/97	Leighton	/	/	
SC		5,666,487	9/9/97	Goodman et al.	/	/	

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		Number	Date	Country	Class	Sub	

### OTHER DOCUMENTS


EXAMINER: S. Cangelosi

DATE: 2/98

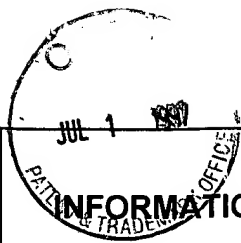
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## INFORMATION DISCLOSURE STATEMENT

BY APPLICANT

Docket: 4830-44937

Ser: 08/637,531

GROUP 2200

Applicant: Geoffrey B. Rhoads

Filed: April 25, 1996

Group: 2317 3642

## U.S. PATENT DOCUMENTS

Init.*		Number	Date	Name	Class	Sub	Filed
SR		5,617,148	4/1/97	Montgomery	/	/	3/31/95
SR		5,568,179	10/22/96	Diehl et al.	/	/	5/19/93
SR		5,614,940	3/25/97	Cobbley et al.	/	/	10/21/94
SR		5,606,609	2/25/97	Houser et al.	/	/	9/19/94
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SR		4,025,851	5/24/77	Haselwood et al.	/	/	

EXAMINER: S. Cangialosi

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<b>INFORMATION DISCLOSURE STATEMENT</b>  <b>BY APPLICANT</b>	Docket: 4830-44937	Ser: 08/637,531
	Applicant: Geoffrey B. Rhoads	
	Filed: April 25, 1996	Group: <sup>3642</sup> <del>2317</del>

**U.S. PATENT DOCUMENTS**

Init.*		Number	Date	Name	Class	Sub	Filed
GC		3,982,064	9/21/76	Barnaby	/	/	
GC		3,585,290	6/15/71	Sanford	/	/	
GC		3,493,674	2/3/70	Houghton	/	/	

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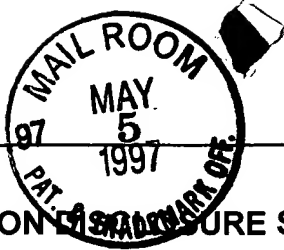
**FOREIGN PATENT DOCUMENTS**

		Number	Date	Country	Class	Sub	

**OTHER DOCUMENTS**


EXAMINER: S. Cangialosi DATE: 2/98

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Docket: 4830-44937	Ser: 08/637,531
	Applicant: Geoffrey B. Rhoads	
	Filed: 4/25/96	Group: 231T 3642

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Init.*		Number	Date	Name	Class	Sub	Filed
gk		5,613,004	3/18/97	Cooperman et al.	/	/	6/7/95
gk		5,587,743	6/11/96	Montgomery	/	/	4/8/94
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gk		5,576,532	11/19/95	Hecht	/	/	1/3/95
gk		5,572,247	11/5/96	Montgomery	/	/	4/8/94
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gk		5,559,559	9/24/96	Jungo et al.	/	/	6/14/93
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Applicant: Geoffrey B. Rhoads

Filed: 4/25/96

Group: 2317 3642

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gk		649 074 A1	4/19/95	EPC <i>Raw</i>	/	/		
gk		605 208 A2	7/6/94	EPC <i>Raw</i>				

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gk		Szepanski, "A Signal Theoretic Method for Creating Forgery-Proof Documents for Automatic Verification," Proceedings 1979 Carnahan Conference on Crime Countermeasures, May 16, 1979, pp. 101-109

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*S. Campialesi*

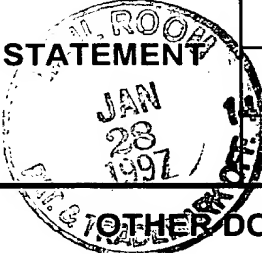
DATE:

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<b>INFORMATION DISCLOSURE STATEMENT</b>  <b>BY APPLICANT</b>				Docket: 4830-44937		Ser: 08/637,531:			
				Applicant: Geoffrey B. Rhoads				Filed: 4/25/96	
<b>FOREIGN PATENT DOCUMENTS</b>									
		Number	Date	Country	Class	Sub			
SP		649 074 A1	4/19/95	EPC					
CA		605 208 A2	7/6/94	EPC					
CR		WO 95/14289	5/26/95	PCT					
SC		WO 96/27259	9/6/96	PCT					
OR		WO96/26494	8/29/96	PCT					
<b>OTHER DOCUMENTS</b>									
SP			Burgett et al., "A Novel Method for Copyright Labeling Digitized Image Data," requested by e-mail from author (unavailable/password protected on IGD WWW site); received 9/18/95, 12 pages.						
OR			Koch et al., "Towards Robust and Hidden Image Copyright Labeling," <u>Proc. of 1995 IEEE Workshop on Nonlinear Signal and Image Processing</u> , June 20-22, 1995, 4 pages.						
SP			"High Water FBI Limited Presentation Image Copyright Protection Software," FBI Ltd brochure, July, 1995, 17 pages.						
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SP			Caruso, "Digital Commerce, 2 plans for watermarks, which can bind proof of authorship to electronic works." <u>New York Times</u> , August 7, 1995, one page.						
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<b>INFORMATION DISCLOSURE STATEMENT</b> <b>BY APPLICANT</b>			Docket: 4830-44937	Ser: 08/637,531
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GR			"Holographic signatures for digital images," <u>The Seybold Report on Desktop Publishing</u> , August 1995, one page.	
GR			Clarke, "Invisible Code Tags Electronic Images," <u>Electronic Engineering Times</u> , June 12, 1995, n. 852, p. 42.	
GR			"The Copyright Can of Worms Opened Up By The New Electronic Media," <u>Computergram Internations</u> , pCGN07170006, July 17, 1995 and "The Copyright Can of Worms Opened Up By the New Electronic Media - 2," <u>Computergram Internations</u> , pCGN07210008, July 21, 1995, 3 pages total.	
GR			"Access Control and COpyright Protection for Images, WorkPackage 1: Access Control and Copyright Protection for Images Need Evaluation," June, 1995, 21 pages.	
GR			Luc, "Analysis of Spread Spectrum System Parameters for Design of Hidden Transmission," <u>Radioengineering</u> , Vol. 4, No. 2, June 1995, pp. 26-29.	
GR			Macq, "Cryptology for Digital TV Broadcasting," <u>Proceedings of the IEEE</u> , Vol. 83, No. 6, June 1995, pp. 944-957.	
GR			Zhao et al., "Embedding Robust Labels Into Images for Copyright Protection," <u>Proc. of the International Congress on Intellectual Property Rights for Specialized Information, Knowledge and New Technologies</u> (Vienna, Austria) August 21-25, 1995, 10 pages.	
GR			"Frequently Asked Questions About Digimarc Signature Technology, August 1, 1995, <a href="http://WWW.DIGIMARC.COM">HTTP://WWW.DIGIMARC.COM</a> , 9 pages.	
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**INFORMATION DISCLOSURE STATEMENT  
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Docket: 4830-44937

Ser: 08/637,531

Applicant: Geoffrey B. Rhoads

Filed: 4/25/96

Group: ~~2311~~ 3642**FOREIGN PATENT DOCUMENTS**

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		8-30759	2/2/96	Japan			

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Se			Bender et al, "Techniques for Data Hiding," Draft Preprint, Private Correspondence, dated 10/30/95.
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INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT

Docket: 4830-44937 / Ser: 08/637,531

Applicant: Geoffrey B. Rhodes

Filed: 4/25/96

Group: 2317 3642

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gk			Nikolaidis et al., "Copyright Protection of Images Using Robust Digital Signatures," IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP-96), accepted for publication, May 1996 (Published on internet <b>April 9, 1996</b> ,
gk			Pitas, "A Method for Signature Casting on Digital Images," 1996 IEEE International Conference on Image Processing (ICIP'96), Lausanne, Switzerland, accepted for publication, 16-19 September 1996 (Published on internet <b>April 9, 1996</b> , ( <a href="http://poseidon.csd.auth.gr/papers/confers.1_ind.html">http://poseidon.csd.auth.gr/papers/confers.1_ind.html</a> )), 4 pages.
gk			Voyatzis, et al., "Chaotic Mixing of Digital Images and Applications to Watermarking, European Conference on Multimedia Applications, Services and Techniques (ECMAST'96), Louvain-la-Neuve, Belgium, accepted for publication, May 1996 (Published on internet <b>April 9, 1996</b> , ( <a href="http://poseidon.csd.auth.gr/papers/confers.1_ind.html">http://poseidon.csd.auth.gr/papers/confers.1_ind.html</a> )), 8 pages.
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EXAMINER:

S. Cangialosi

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2/98

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			Applicant: Geoffrey B. Rhoads	
			Filed: 4/25/96	
OTHER DOCUMENTS				
gmc		<input checked="" type="checkbox"/>	Boucqueau et al., "Equitable Conditional Access and Copyright Protection for Image Based on Trusted Third Parties, Teleservices & Multimedia Communications, 2nd Int. Cost 237 Workshop, Second International COST 237 Workshop, November, 1995; published 1996, pp. 229-243.	
gmc		<input checked="" type="checkbox"/>	Delaigle et al., "Digital Watermarking," Proc. SPIE - Int. Soc. Opt. Eng., vol. 2659, pp. 99-110, 1996.	
gmc		<input checked="" type="checkbox"/>	van Schyndel et al., "Towards a Robust Digital Watermark," ACCV '95, vol. 2, December, 1995, pp. 504-508	
gmc		<input checked="" type="checkbox"/>	Lesk, "Digital Libraries Meet Electronic Commerce: On-Screen Intellectual Property," Proceedings of the Third Forum on Research and Technology Advances in Digital Libraries - ADL - '96 - (Cat. No. 96TB100053), 1996, pp. 58-64	
gmc		<input checked="" type="checkbox"/>	Chudy, "Handcuff Digital Thieves," Byte Magazine, April, 1996, 4 pages.	
gmc		<input checked="" type="checkbox"/>	New Product Information, "FBI at AppleExpo" (Olympia, London), November, 1995, 2 pages.	
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## INFORMATION DISCLOSURE STATEMENT

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Ser: 08/037,531

Applicant: Geoffrey B. Rhoads

Filed: 4/25/96

Group: ~~2317~~ 3642

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sm Ohnishi et al., "Embedding a Seal into a Picture Under Orthogonal Wavelet Transform, Proceedings of MULTIMEDIA '96, 1996, IEEE, pp. 514-521.

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EXAMINER:

S. Cangialosi

DATE:

2/98

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<b>INFORMATION DISCLOSURE STATEMENT</b> <b>BY APPLICANT</b>	Docket: 4830-44937	Ser: 08/637,531
	Applicant: Geoffrey B. Rhoads	
	Filed: 4/25/96	Group: 2317 <i>3642</i>

## U.S. PATENT DOCUMENTS

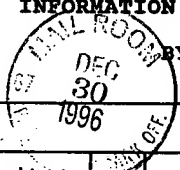
Init.*		Number	Date	Name	Class	Sub	Filed
<i>SR</i>		5,465,387	11/7/95	Mukherjee	/	/	
<i>SR</i>		5,454,027	9/26/95	Kennedy et al.	/	/	
<i>SR</i>		5,448,760	9/5/95	Frederick	/	/	
<i>SR</i>		5,420,910	5/30/95	Rudokas et al.	/	/	
<i>SR</i>		5,388,212	2/7/95	Grube et al.	/	/	
<i>SR</i>		5,345,595	9/6/94	Johnson et al.	/	/	
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		Number	Date	Country	Class	Sub	
<i>SR</i>		WO91/01067	1/24/91	PCT	/	/	

EXAMINER: *S. Cangialosi* DATE: *2/98*

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		Applicant: Geoffrey B. Rhoads				
		Filed: 4/25/96	Group: <del>2917</del> 3642			
<b>U.S. PATENT DOCUMENTS</b>						
Init.*	Number	Date	Name	Class	Sub	Filed
gk	5,568,570	10/22/96	Rabbani	/	/	9/30/94
gk	5,541,741	7/20/96	Suzuki	/	/	9/25/92
gk	5,532,920	7/2/96	Hartrick et al.	/	/	12/28/94
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gk	5,515,081	5/7/96	Vasilik	/	/	
gk	5,499,294	3/12/96	Friedman	/	/	
gk	5,488,664	1/30/96	Shamir	/	/	
gk	5,479,168	12/26/95	Johnson et al.	/	/	
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gk	5,469,506	11/21/95	Berson	/	/	
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gk	5,446,273	8/29/95	Leslie	/	/	
gk	5,432,870	7/11/95	Schwartz	/	/	
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gk	5,398,283	3/14/95	Virga	/	/	
gk	5,396,559	3/7/95	McGrew	/	/	
gk	5,394,274	2/28/95	Kahn	/	/	
gk	5,379,345	1/3/95	Greenberg	/	/	
gk	5,351,302	9/27/94	Leighton et al.	/	/	
gk	5,337,362	8/9/94	Gormish et al.	/	/	
EXAMINER: S. Cengiz/osi		DATE: 2/98				
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Ser: 08/637,531

Applicant: Geoffrey B. Rhoads

Filed: 4/25/96

Group: 2317 3642

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EXAMINER:

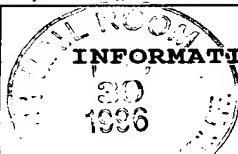
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 <b>INFORMATION DISCLOSURE STATEMENT</b> <b>BY APPLICANT</b>	Docket: 4830-44937	Ser: 08/637,531
	Applicant: Geoffrey B. Rhoads	
	Filed: 4/25/96	Group: 33173642

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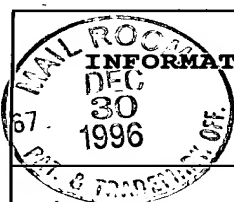
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S. Camiglia

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BY APPLICANT**

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Applicant: Geoffrey B. Rhoads

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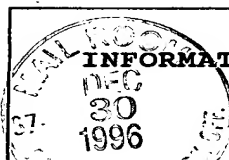
Group: 2317  
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	<b>BY APPLICANT</b>		Applicant: Geoffrey B. Rhoads	
			Filed: 4/25/96	Group: 23173642

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	Applicant: Geoffrey B. Rhoads	
	Filed: 4/25/96	Group: 2317 <i>3642</i>

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<i>gc</i>	3,805,238	4/16/74	Rothfjell	<i>/</i>	<i>/</i>	
<i>gc</i>	3,703,628	11/21/72	Philipson, Jr.	<i>/</i>	<i>/</i>	
<i>gc</i>	3,655,162	5/23/72	Yamamoto et al.	<i>/</i>	<i>/</i>	
<i>gc</i>	3,569,619	3/9/71	Simjian	<i>/</i>	<i>/</i>	

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<i>gc</i>	4-248771	9/4/92	Japan	<i>/</i>	<i>/</i>	
<i>gc</i>	8-30759	2/2/96	Japan	<i>/</i>	<i>/</i>	
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<i>gc</i>	2,196,167	4/20/88	U.K.	<i>/</i>	<i>/</i>	
<i>gc</i>	2,063,018A	5/28/81	U.K.	<i>/</i>	<i>/</i>	
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<i>gc</i>	411 232	2/6/91	EPC	<i>/</i>	<i>/</i>	
<i>gc</i>	372 601	6/13/90	EPC	<i>/</i>	<i>/</i>	


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	Applicant: Geoffrey B. Rhoads	
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## FOREIGN PATENT DOCUMENTS

	Number	Date	Country	Class	Sub		
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<i>SC</i>	WO95/10835	4/20/95	PCT (Japan)	/	/		
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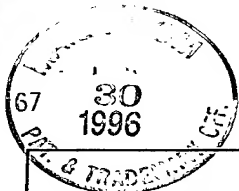
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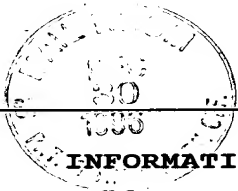
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	Applicant: Geoffrey B. Rhoads	
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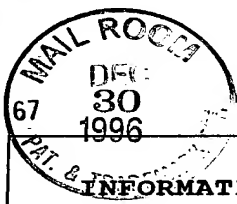
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